Larson Electronics LLC
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LEDP5W-30-M-1227-40C

150 Watts High Intensity Magnetic LED Light w/ 40' Cord and Plug - 30 LEDs - 14,790 Lumens

Product ID: 73103

Please see last page for supporting documentation for this product(certificates, CAD files & drawings, IES files, wiring diagrams, etc).



Larson Electronics LLC manufactures a wide variety of products, including custom built to spec designs. The pictures displayed for this unit are a general representation of form factor for the product line and may not accurately represent this exact configuration in every detail due to custom builds and changes between similar products in our standard catalog. The specifics for this configuration are listed in the specification table and supporting documentation (CAD files, Dimensional Drawing, Name Plate Diagram, Wiring Diagram, etc.). This means that specific details (receptacles, plugs, wires, connections, mounting brackets, external finishes, etc.) may not be accurately represented in images vs specifications. Please review specifications and do not order based solely on images.

LEDP5W-30-M-1227-40C LED Light Bar

Lamp Type: CREE XLamp-XPG® LED
Dimensions: 11.69 "-L 7.54"-H 4.94"-D
Weight: 11.02 Lbs
Voltage:120-277V AC
Watts: 150
Lumens: 14,790
LED Life Expectancy: 50,000 hours
LED Light Color: White

Color Temp: 6000K

Lighting Configuration: 25° Spot or 60° Flood

Led Drive %: 90%

Optics Efficiency: 90%
Amps: 1.25 (on 120 volts)

Housing Color: Black

Materials: Aluminum Housing, Polycarbonate Lens

Mounting: (2) 200lb magnets

Wiring: 40` 16/3 SOOW cable cord cap

Cord Cap: 5-15 Straight, L5-15 Twist, L6-15 Twist, Schuko

3 year warranty replacement on this LED light. After 30 days, the customer ships the failed LED light and/or LED bulb to Larson Electronics at their expense. If the failure is a manufacturer defect, we will ship a new replacement to the customer. If failure occurs within 30 days of receipt, Larson Electronics will provide a return label via email to the

Internal LED Driver Features

Automatic Current Sensing and Adjusting 9-32VDC
Active Heat Management
Ambient Op Temp -40C to +80C
UL1012 Compliant
UL60950-1 Compliant
Transformer cULus rated

Special Orders - Special Requirements

Contact us for special requirements

Toll Free: 1-800-369-6671

Intl: 1-903-270-1187

E-mail: sales@larsonelectronics.com

customer. When the failed light is returned, we will ship a new replacement.

Buy American Compliant

The LEDP5W-30-M-1227-40C Magnetic Mount LED Light offers high output from a compact form factor and is ideal for use in mining applications as well as heavy equipment, hunting, boating, vehicle, military, law enforcement and industrial manufacturing uses. A 14,790 lumen output, 1.25 amp draw @ 120V, 50,000 hour service life, 120 to 277 volt AC compatibility, and 40` of SOOW cable provides mine operators with a rugged and powerful LED alternative to 400 watt metal halide lamps that uses little power and can withstand rugged use and abusive conditions.

The LEDP5W-30-M-1227-40C LED light from Larson Electronics is an ideal replacement for fragile and hot running 400 watt metal halide lamps. They offer Pulse Width Modulation control, a small profile, low power requirements, high durability and a versatile mounting system that makes these LED light emitters a superior lighting solution for demanding applications where power and reliability is critical. The heavy duty design and high power of these LED lights also makes them suitable for a wide array of applications including but not limited to: military, industrial manufacturing, machine visioning, security and law enforcement, boating, vehicles and commercial structure illumination. These lights include an in-line transformer and 50 feet of cord fitted with an industrial grade cord cap with 5-15 straight blade, L5-15 twist lock, L6-15 twist lock, and 2-pin Schuko plug options.



Click Photo to Enlarge



Click Photo to Enlarge

Heat Management: Heat is the single largest factor in premature LED failure and color shifting. These LED units contain advanced drivers which use pulse width modulation to control heat buildup rather than simple voltage regulators which are typically harsh on sensitive electronics and can contribute to early LED failure. These units automatically sense the temperature of each LED and adjust the energy frequency or "duty cycle" accordingly to maintain heat levels within acceptable ranges. This system in essence flashes current at an extremely fast on and off rate to each LED based upon the LED's core temperature. This flash rate is too fast to detect with the human eye, but provides precise control of the current flowing to each LED and thus the heat it generates. This allows the LEDs to be driven at up to 90% capacity without overheating or visible loss of light output. The LEDs are always driven at the same voltage but the duty cycle, however, is changed to alter how long the LEDs are actually on or off. The end result is more light with less heat and longer LED life with an average 70% lumen maintenance after 50,000 hours.

PWM Control: The pulse width modulation drivers in this unit also provide secondary benefits through the ability to automatically monitor and adjust input current to maintain the correct LED voltage levels regardless of input levels across a specific range. These LEDP5W-30 series light bars can operate on current ranging from 120 to 277VAC without any modifications necessary as a result. This ability to sense and adjust input current also provides protection against voltage spikes and drops that can occur in vehicle electrical systems which would otherwise result in burning up or premature LED failure without it.

Durability: As well as unparalleled heat control, the LEDP5W-30 series of LED lights from Larson Electronics also offer IP68 rated construction that is designed to withstand extremes of environmental and operating conditions. These units can

withstand rapid temperature changes of -40 degrees Celsius to 80 degrees Celsius, are waterproof to three meters, and resist ingress of dust, dirt and humidity. The housings are formed from extruded aluminum and the lenses are unbreakable polycarbonate. The CREE XLamp XPG® LEDs help these units achieve 15.6Grms rated resistance to vibrations and are rated at 70% lumen maintenance after 50,0000 hours of use. We recommend these LED lights for use in applications where a lot of vibration, dust, dirt, dampness and abusive working conditions are encountered.

Magnetic Mounting: Each unit is equipped with an innovative magnetic trunnion style mounting bracket that allows the light to be attached to ferrous surfaces and adjusted through 360 degrees of vertical movement. Two 200lb magnets provide a combined 400 lbs of magnetic gripping force to secure the light fixture onto mounting surfaces. To adjust the unit after mounting, the user simply loosens the thumb screws located on either side of the unit, moves it into the desired position, then re-tightens the screws. The base of the mounting trunnion is equipped with several machined slots which allow users to utilize existing mounting holes and slide the unit for precise mount positioning.

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Frequently Asked Questions (FAQ)







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LEDP5W-30-M-1227-40C

Product ID: 73103

Harmonized System (HS) Code: 9405.41.84.10

Export Control Classification Number (ECCN): EAR99

Options:

LEDP5W-30-M-1227-40C-Beam Config-Housing-Cord Cap

Example: LEDP5W-30-M-1227-40C-S-BLK-5.15

Beam Config	
SPOT	-S
FLOOD	-F

Housing	
BLACK	-BLK
WHITE	-WHT

Cord Cap	
5-15	-5.15
L5-15	-L5-15
L6-15	-L6-15
SCHUKO	-SCHUKO

Links (Click on the below items to view):

- **CE Certificate**
- **IES (Photometric File)**
- **MSDS (Material Safety Data Sheet**
- **RoHS Certificate (Restriction of Hazardous Substances)**
- **HigResPic1**
- **HigResPic2**
- **HigResPic3**
- **HigResPic4**
- **Video1**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**